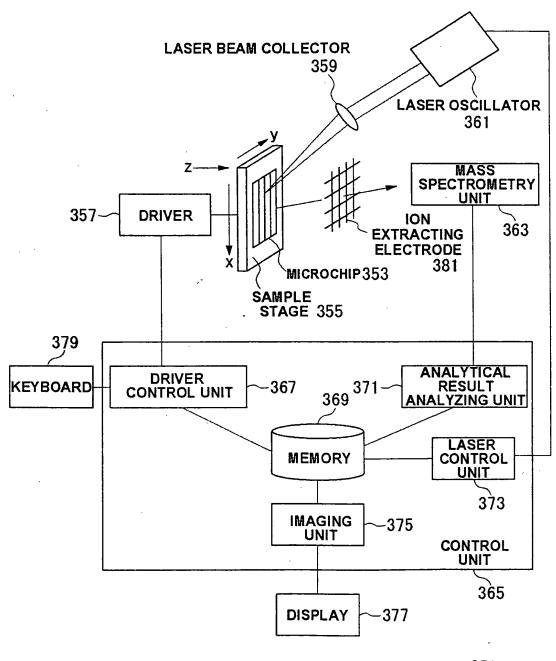
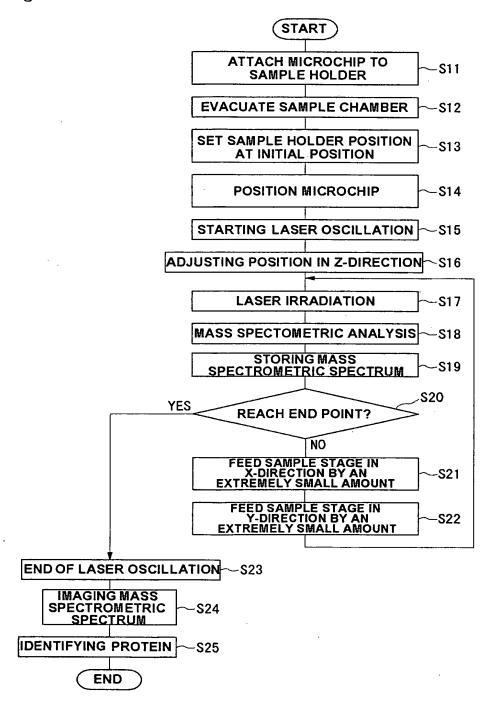
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Fig.1



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Fig.2



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Fig.3

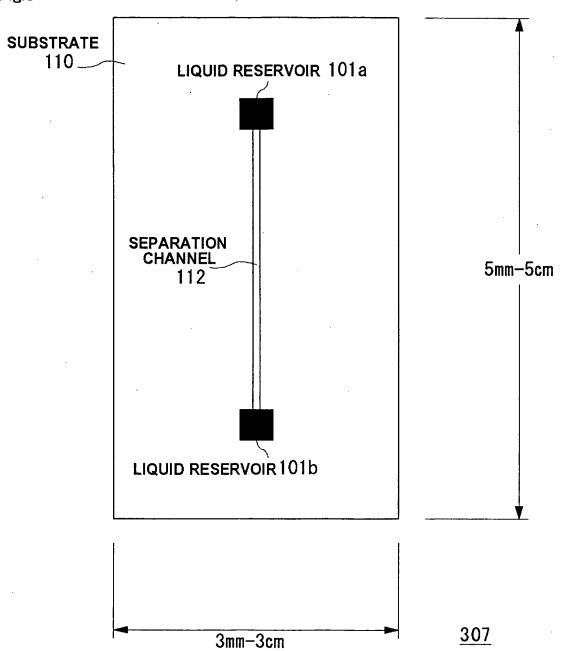


Fig.4

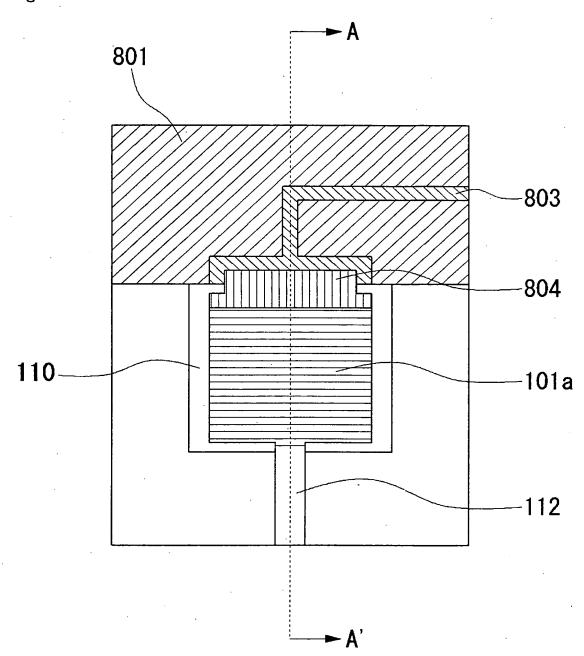
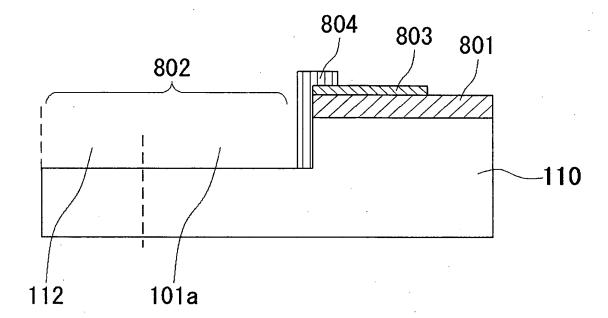
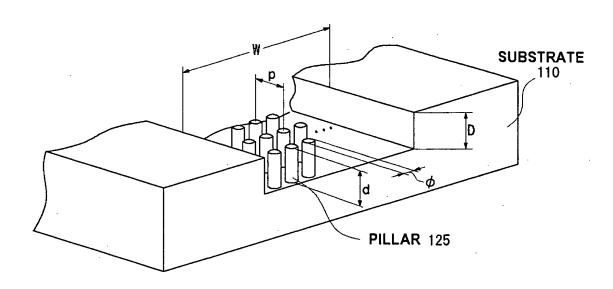


Fig.5



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Fig.6



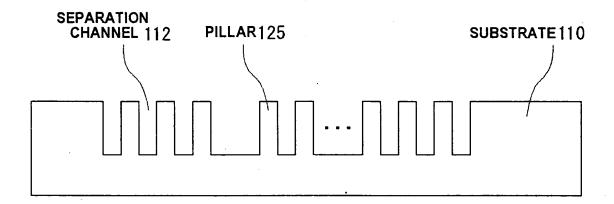
W	10 ~ 2000 μm
D	50 nm $\sim 3 \mu$ m
φ	10 ~ 100nm
d	10 nm ~ 3 μ m
р	$1 \mathrm{nm} \sim 10 \mu\mathrm{m}$

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Fig.7

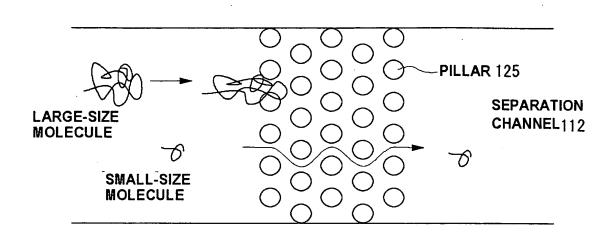


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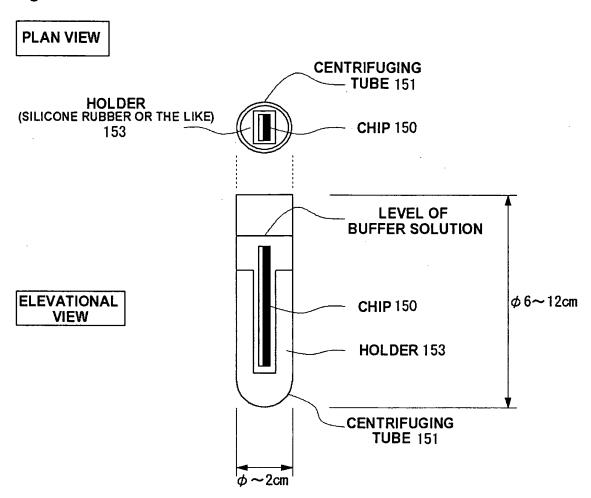
Fig.8



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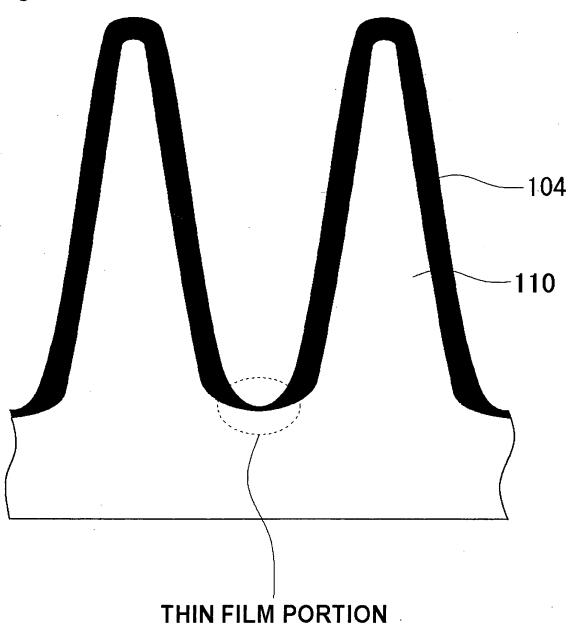
Fig.9



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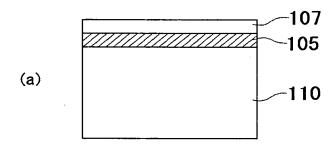
10/549587

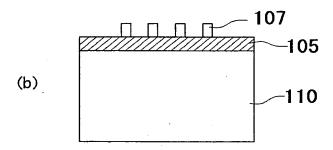
Fig.10

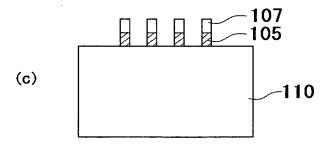


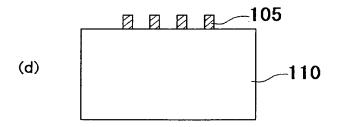
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Fig.11



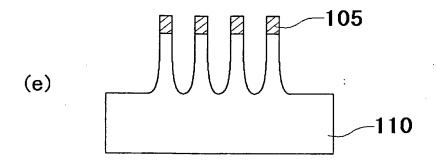


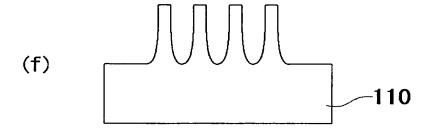


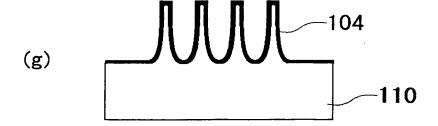


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Fig.12



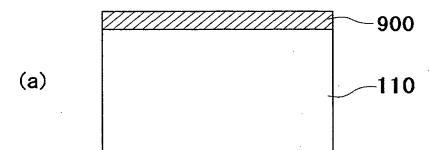


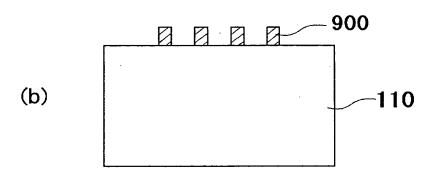


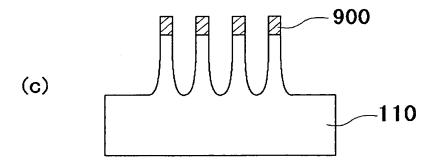
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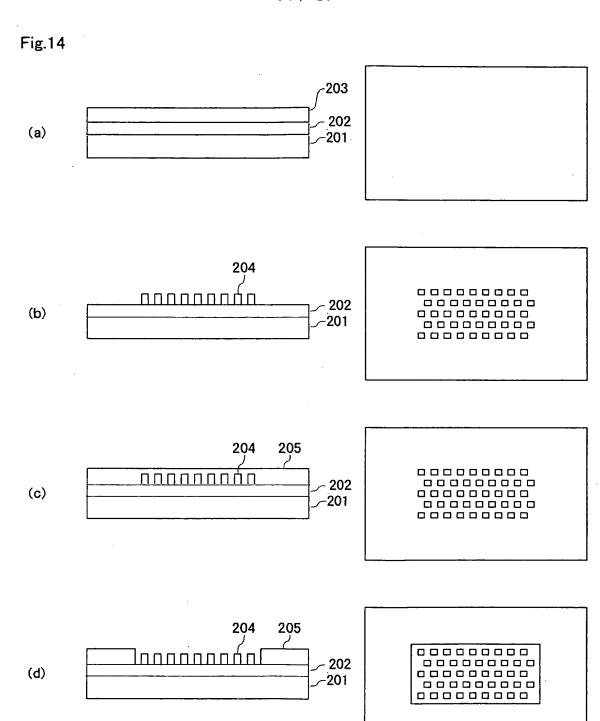






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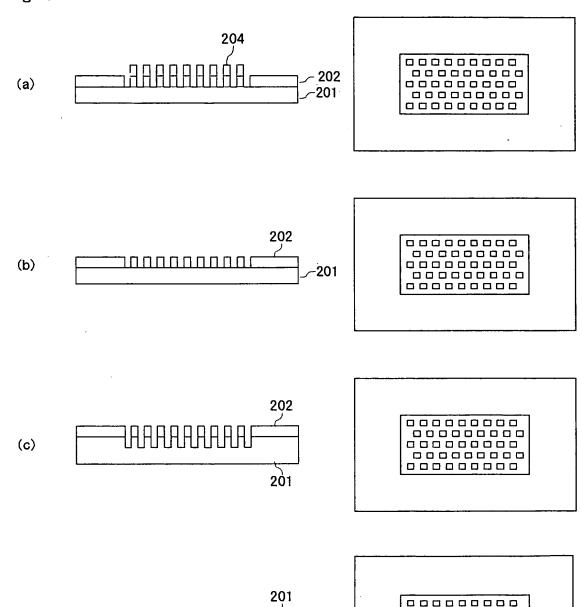
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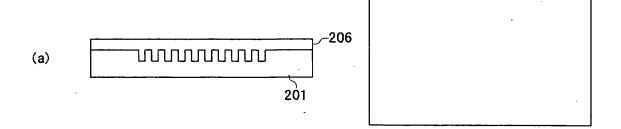


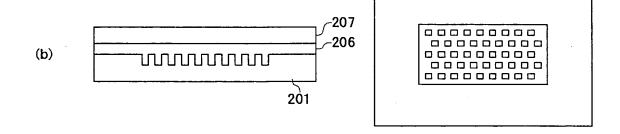
(d)

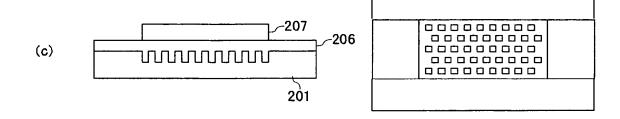


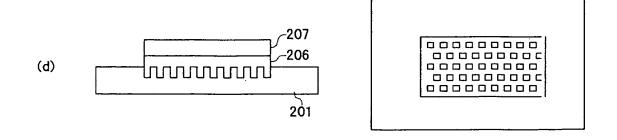
wwwww





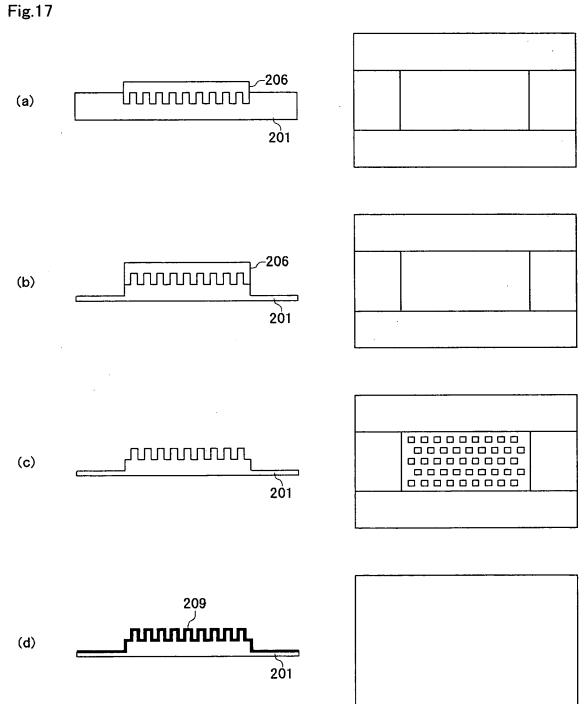






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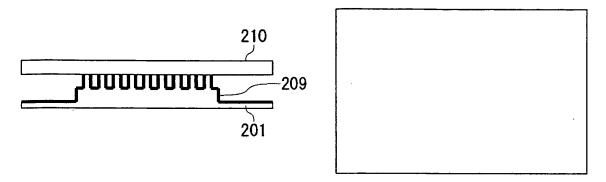


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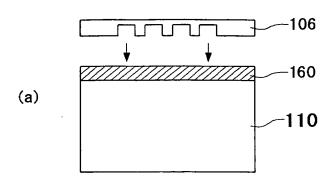
10/549587

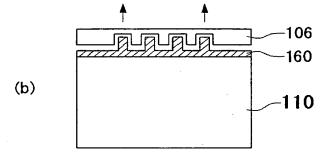
Fig.18

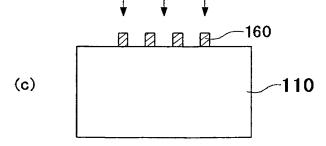


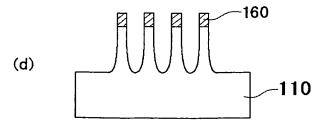
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Fig.19





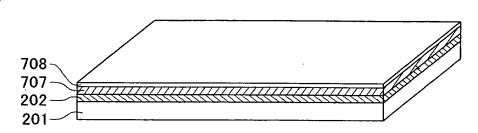




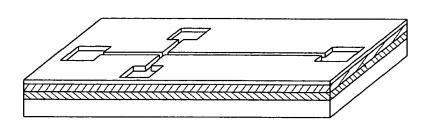
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Fig.20

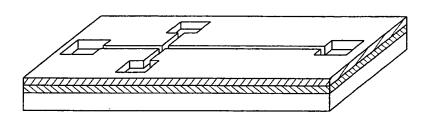
(a)



(b)



(c)



(d)

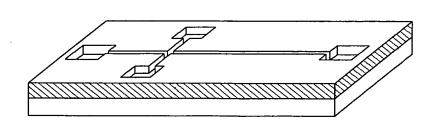


Fig.21

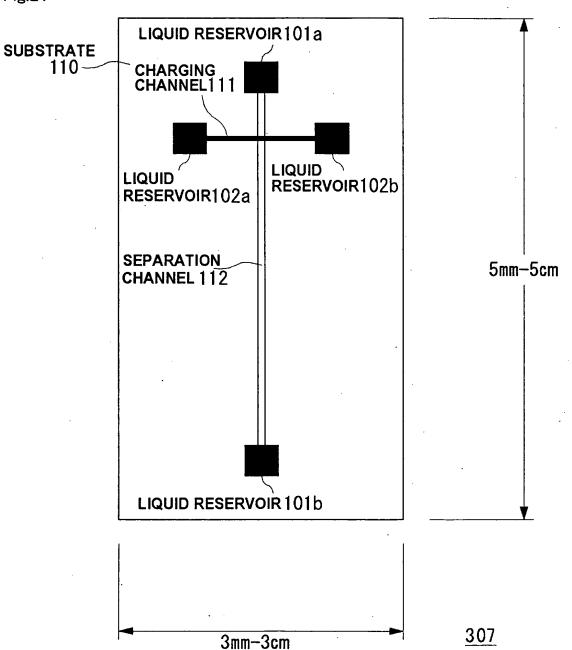
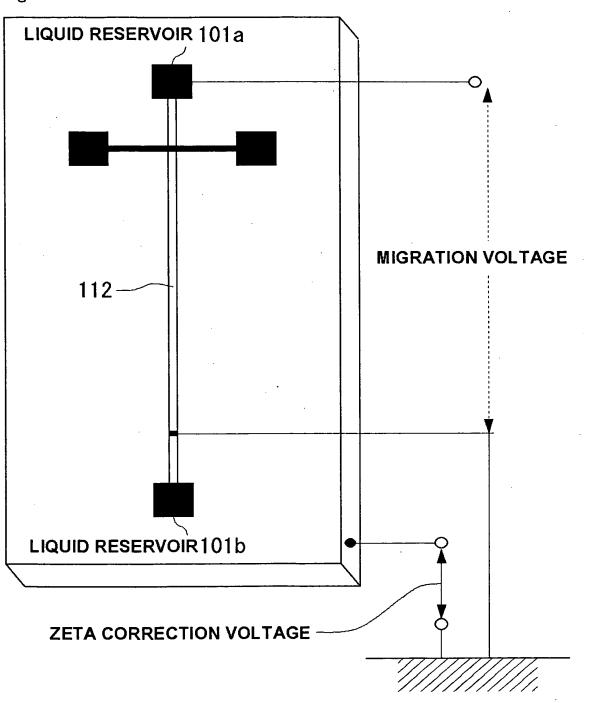


Fig.22



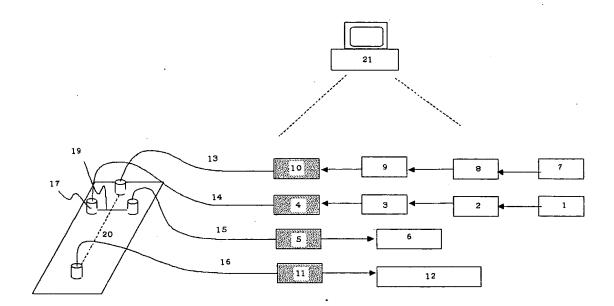
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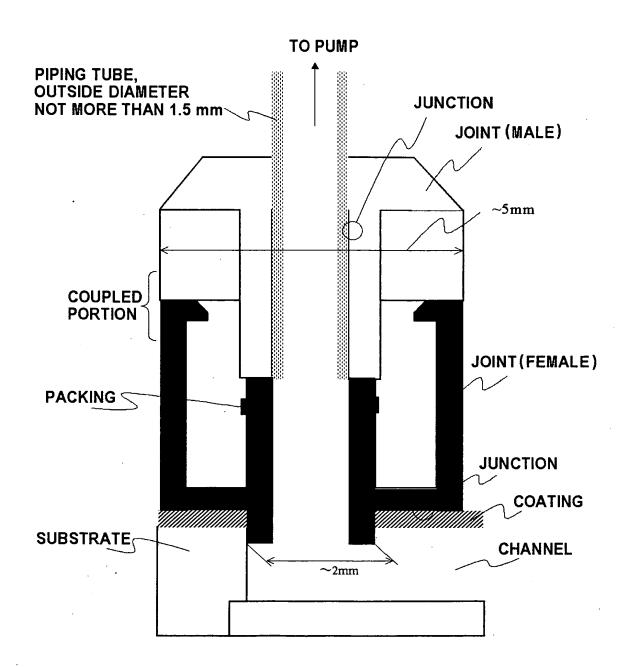
Fig.23



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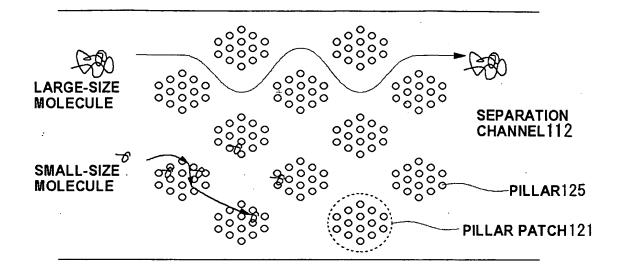
Fig.24



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Fig.25

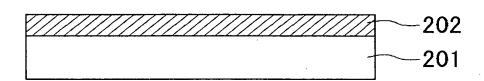


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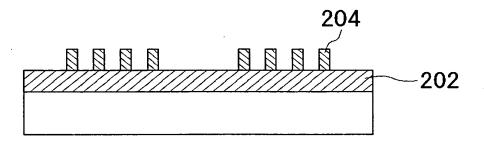
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Fig.26

(a)



(b)



(c)

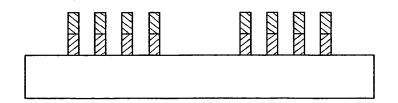
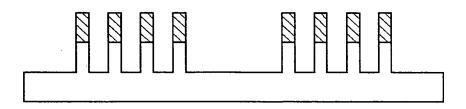
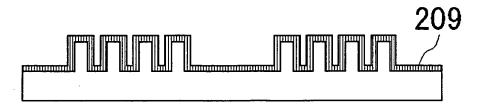


Fig.27

(d)



(e)



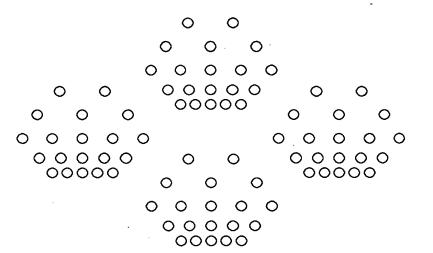
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Fig.28

(a)

FLOW DIRECTION



(b)

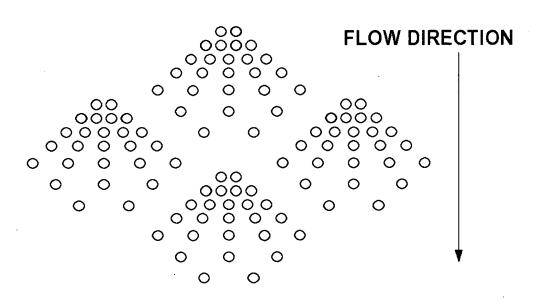
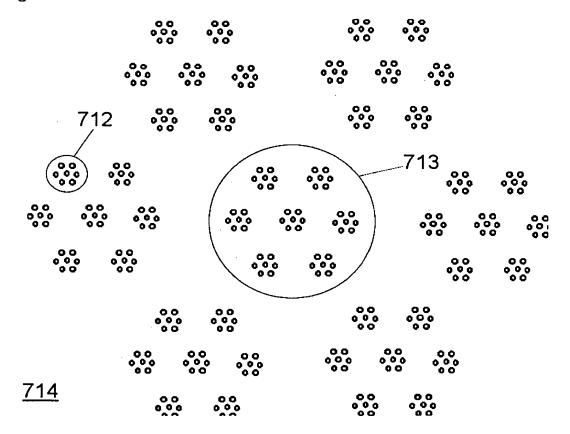


Fig.29



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Fig.30

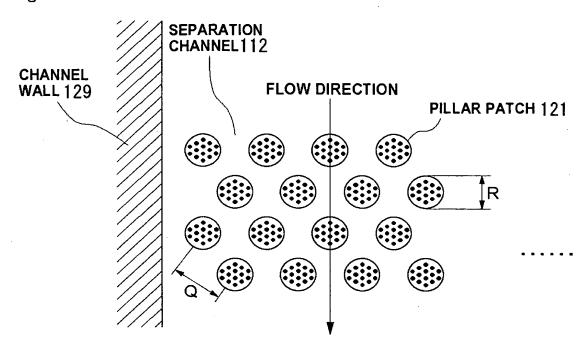
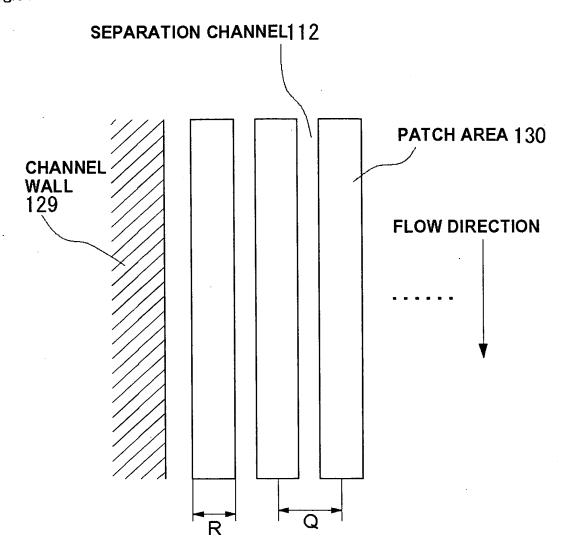


Fig.31



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Fig.32

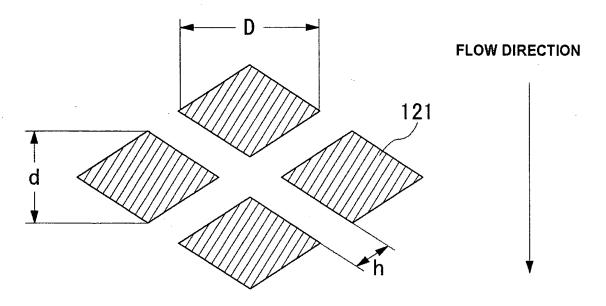
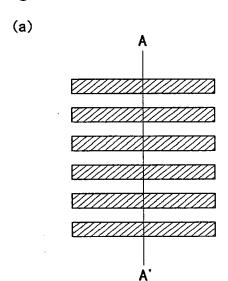
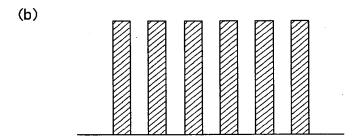
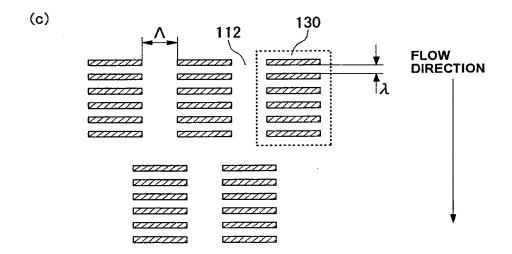


Fig.33



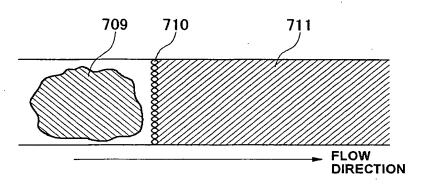




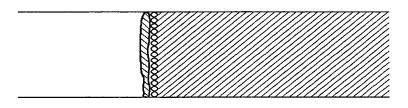
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Fig.34

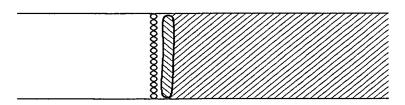
(a)



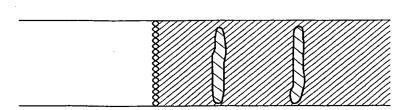
(b)



(c)

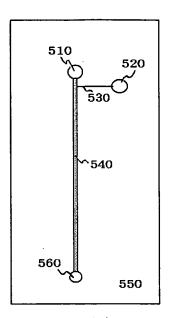


(d)



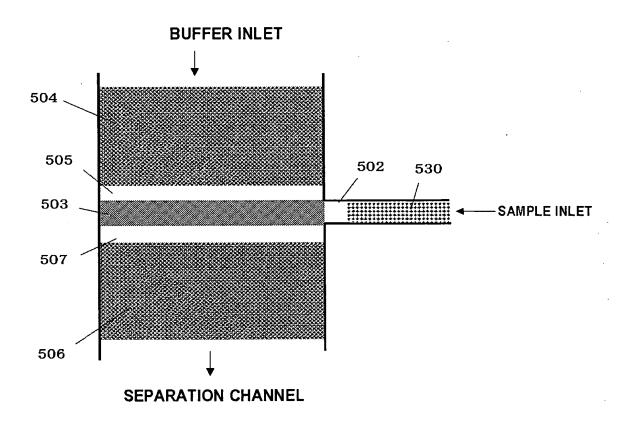
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Fig.35



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Fig.36

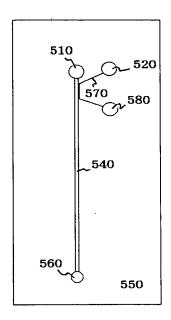


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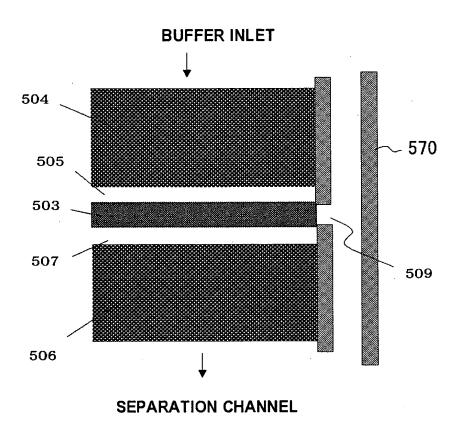
Fig.37



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Fig.38



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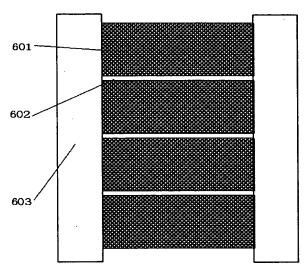
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Fig.39

SEPARATION CHANNEL

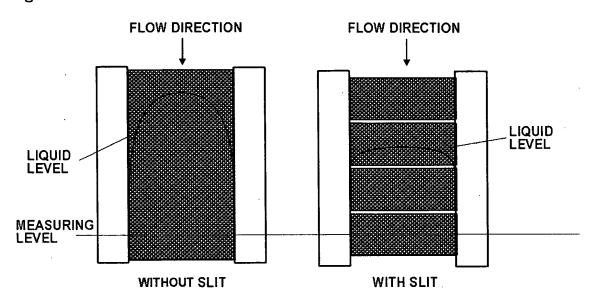


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Fig.40



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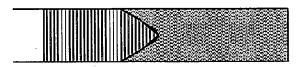
Fig.41

CHANNEL STRUCTURE (EVENLY ARRANGED CASE) ARTIFICIAL GEL





WATER FLOW IN CHANNEL



FAST AT OUTER WALL, SLOW IN THE CENTER

BAND STATUS



SHAPE BECOMES CURVED

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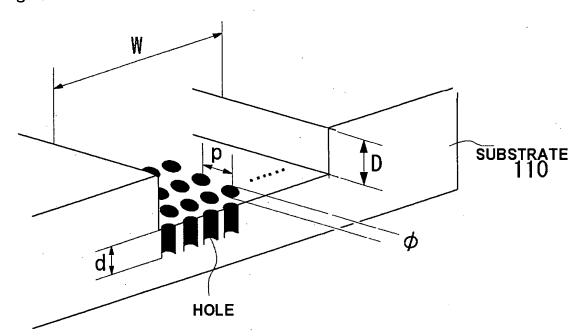
Fig.42

	DENSE	E AREA:	EEN PILLARS IS NARROW
·	Щ		BUFFER SOLUTION
	COARSE DISTANCE		PILLARS IS WIDE
FAST AT OUTER WALL SLOW IN THE CENTER	economic agreement for the control of the control o	NEL	WATER FLOW IS TEMPORARILY STOPPED IN COARSE PILLAR AREA
	BAND STA	ATUS	
			SHAPE BECOMES STRAIGHT

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Fig.43

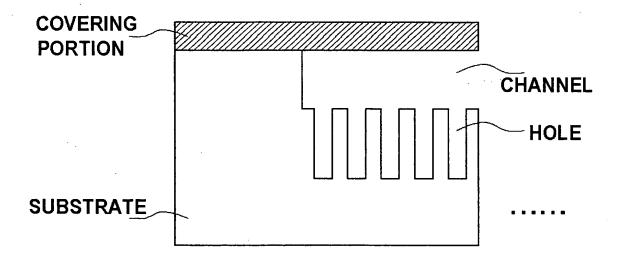


	IN THE CASE OF SMALL-SIZE PARTICLE	IN THE CASE OF LARGE-SIZE PARTICLE
W	10 \sim 2000 μ m	
D	100nmor Less	3μ mor less
φ	50nm or less	300nm or less
d	100nmor Less	3μ m or less
р	50nm or less	300nmor Less

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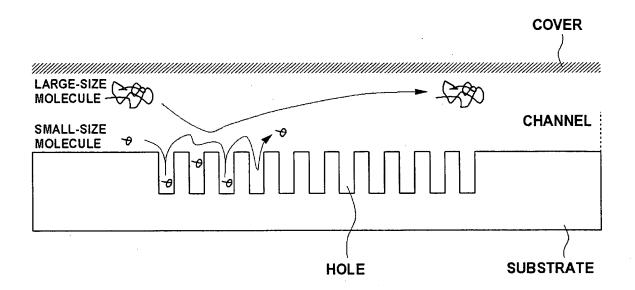
Fig.44



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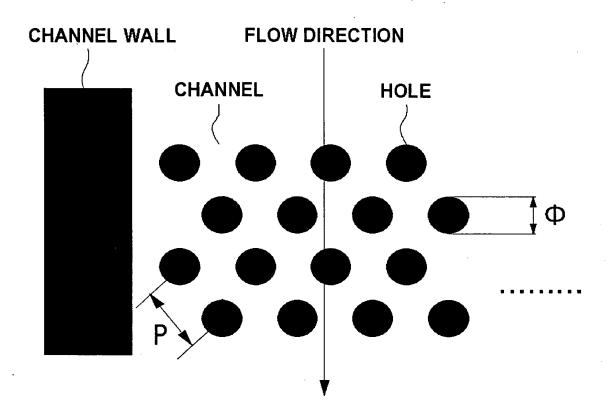
Fig.45



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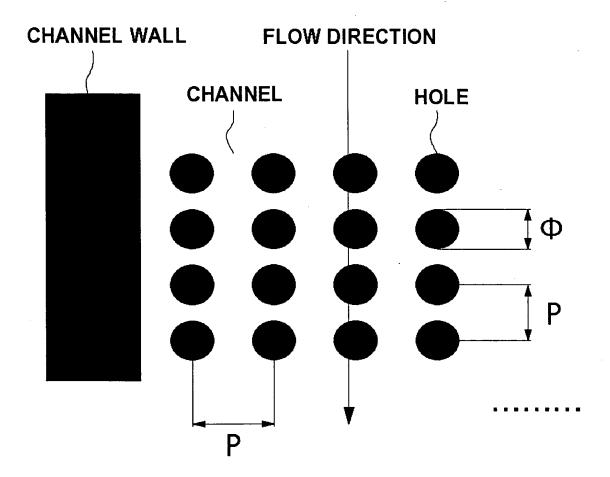
Fig.46



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Fig.47

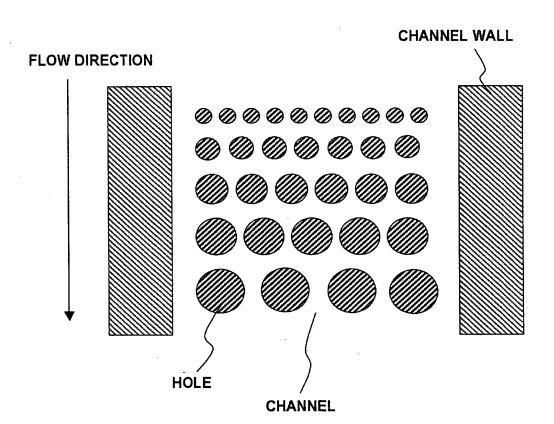


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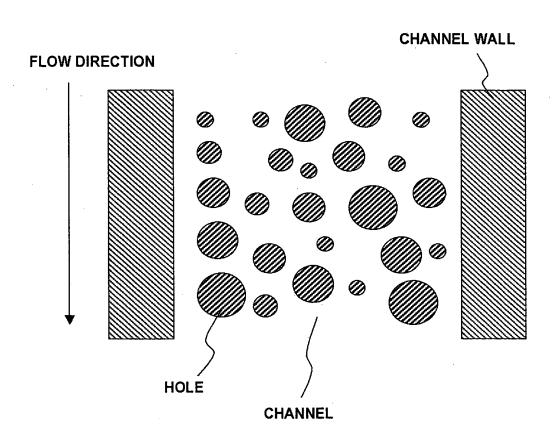


Fig.48



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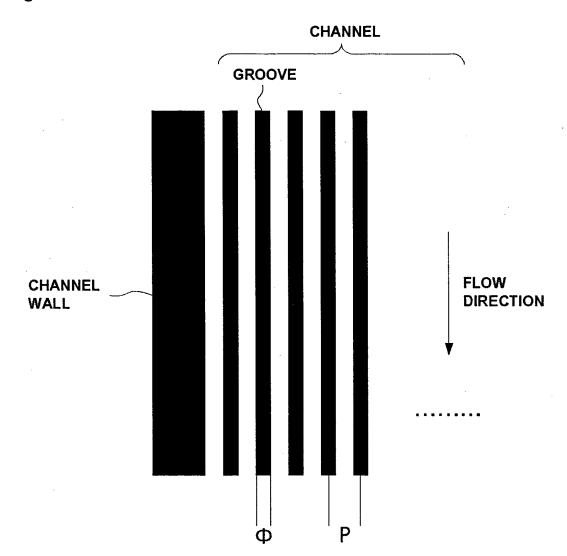
Fig.49



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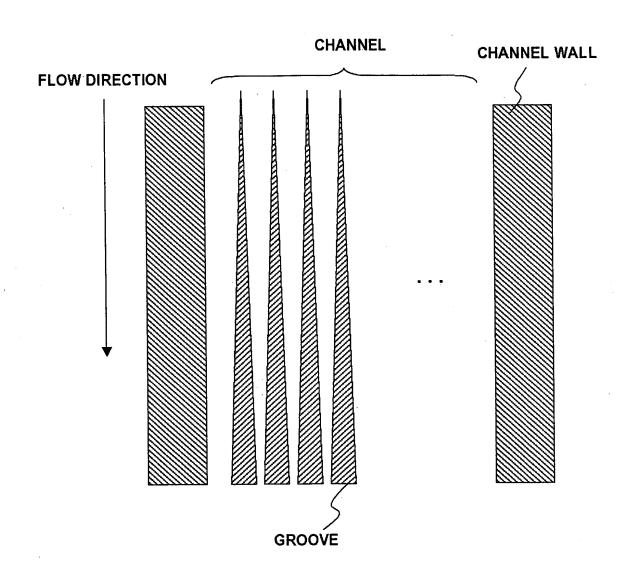
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Fig.50



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Fig.51

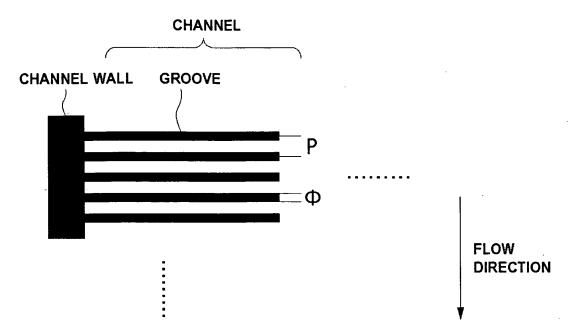


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Fig.52

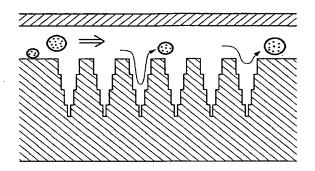




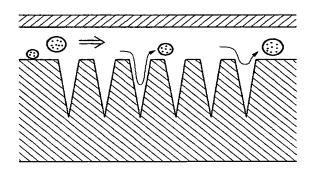
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Fig.53

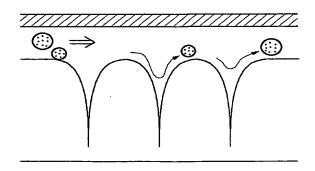
(a)



(b)



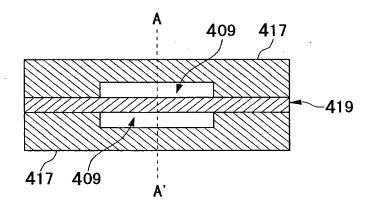
(c)



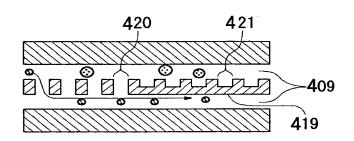
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Fig.54

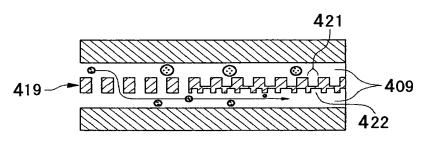
(a)



(b)



(c)



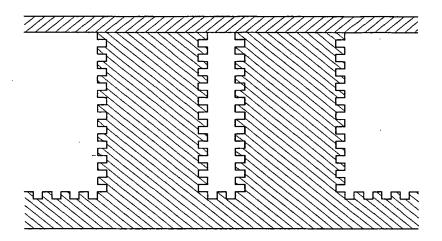
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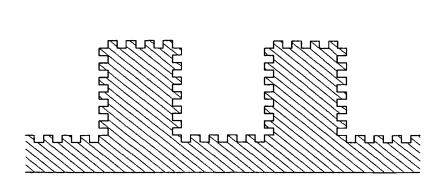
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Fig.55

(a)



(b)

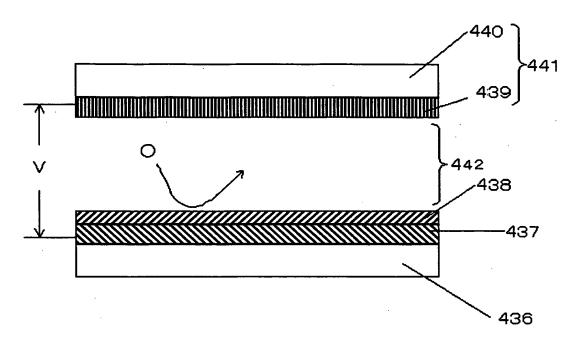


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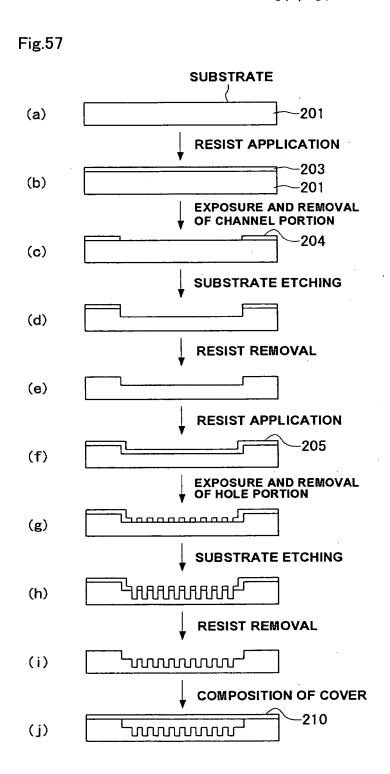
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Fig.56

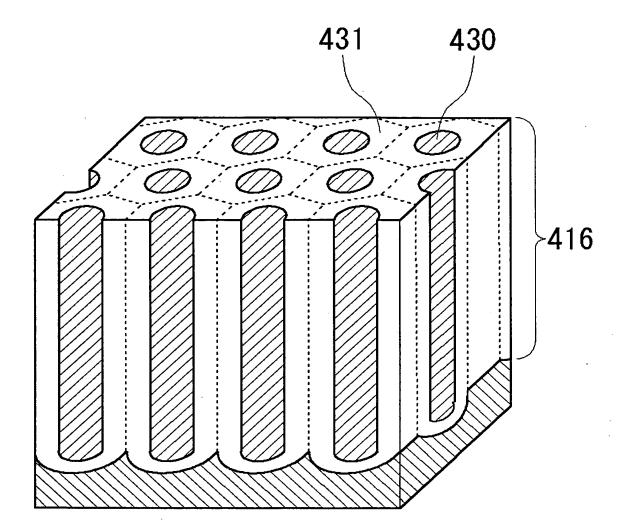


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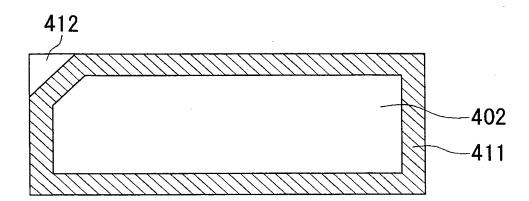
Fig.58



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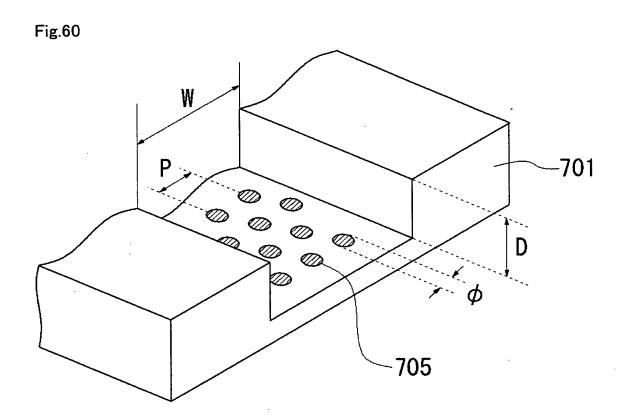
Fig.59



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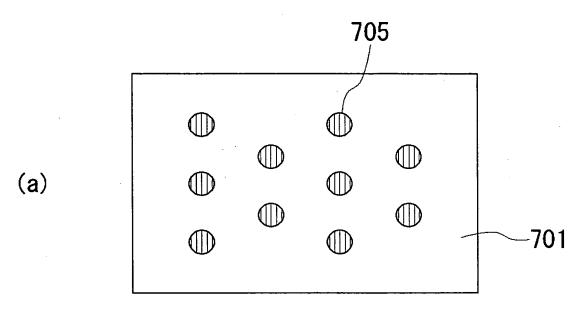
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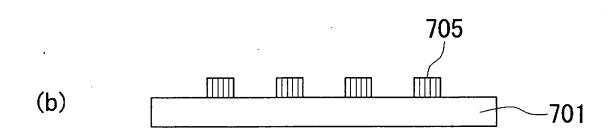
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Fig.61



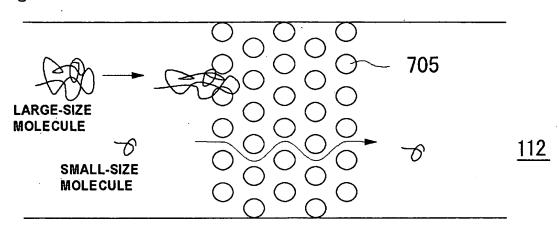


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Fig.62

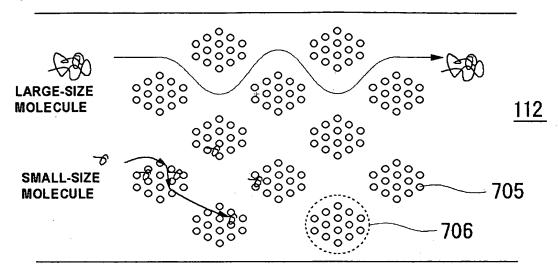


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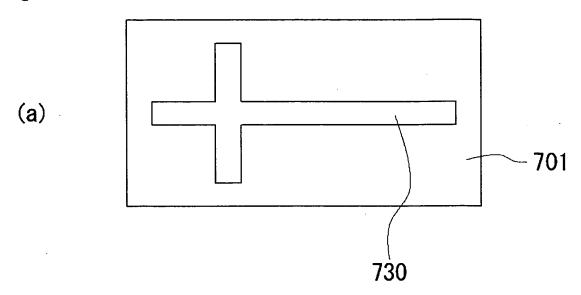


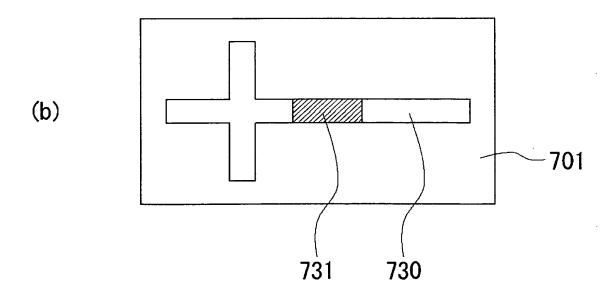


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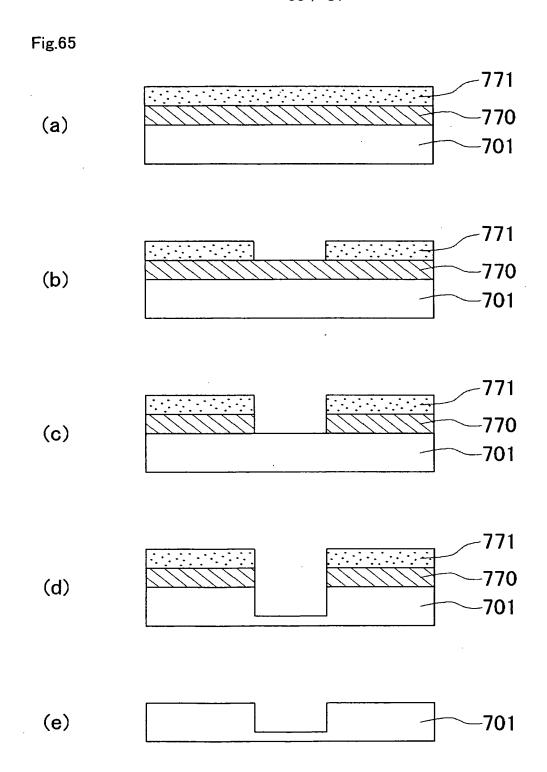






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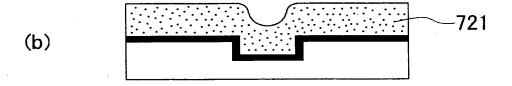


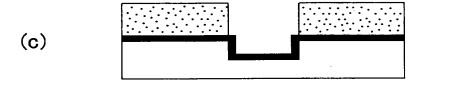
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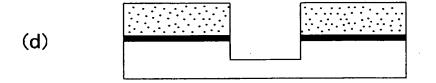
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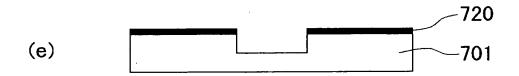








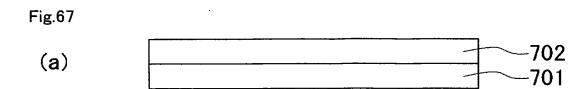


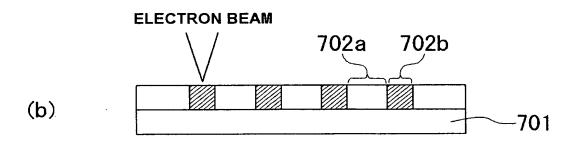


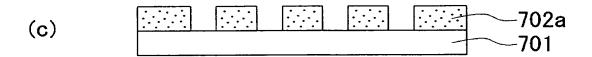
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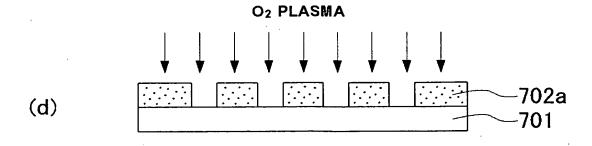
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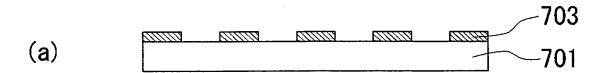
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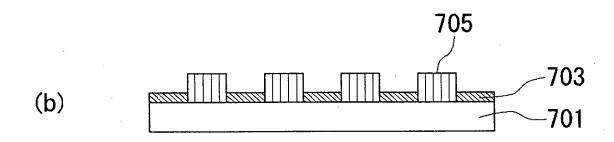
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Fig.68



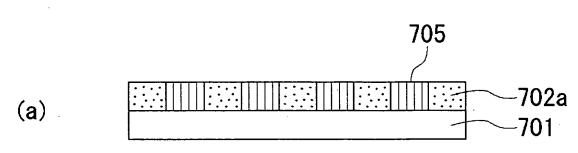


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Fig.69



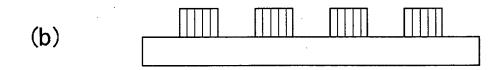
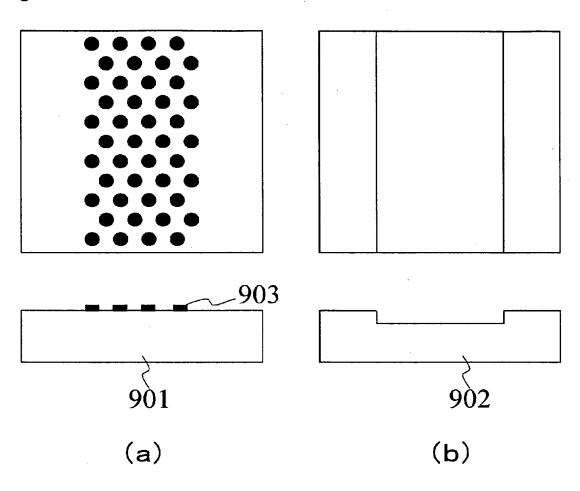


Fig.70



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Fig.71

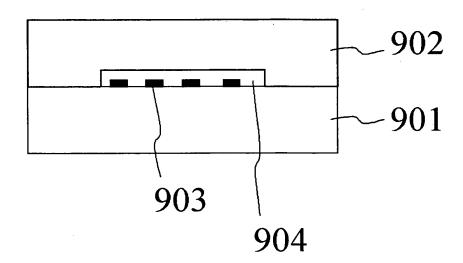




Fig.72

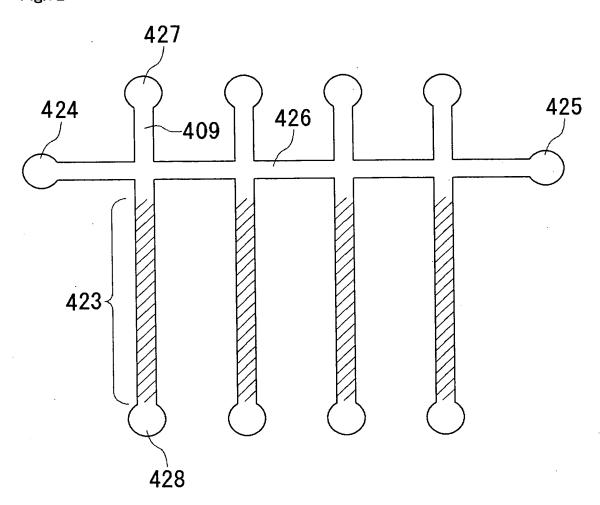
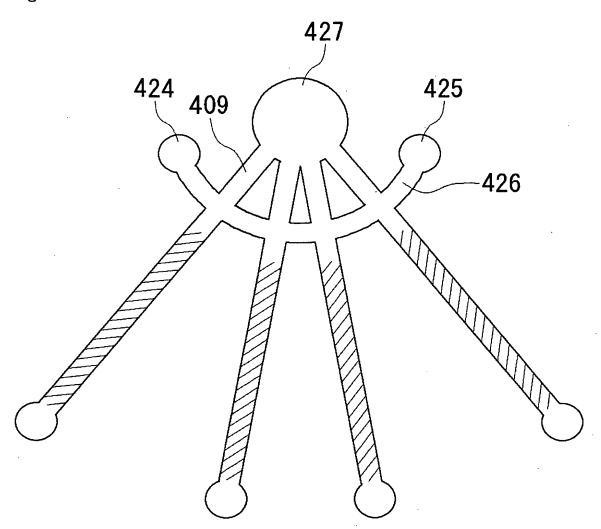
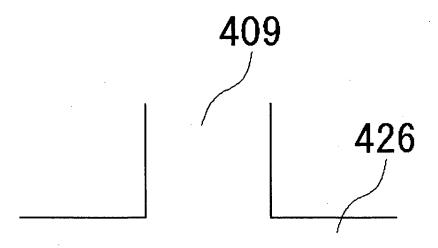


Fig.73



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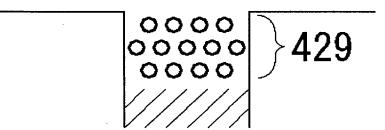
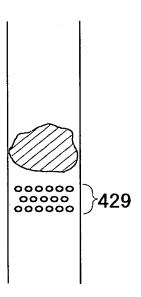


Fig.75

(a)



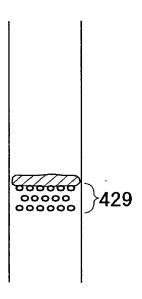
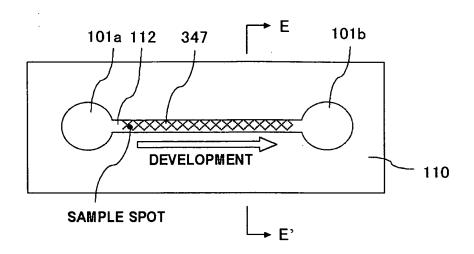
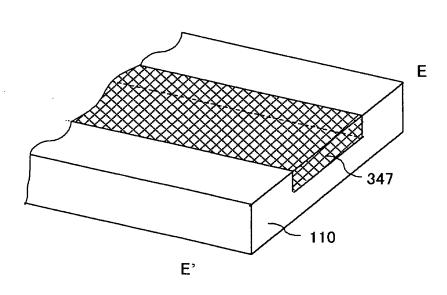


Fig.76

(a)

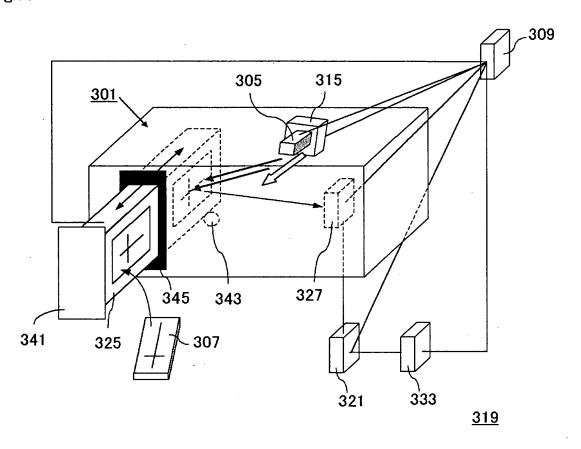




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Fig.77



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Fig.78

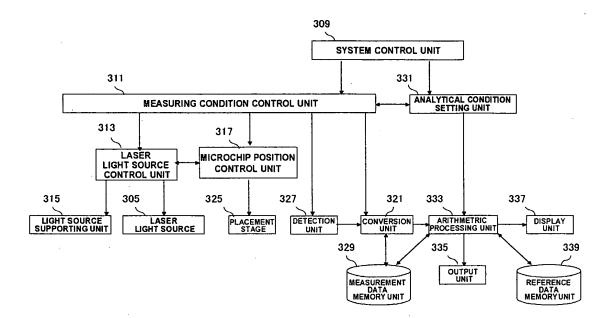
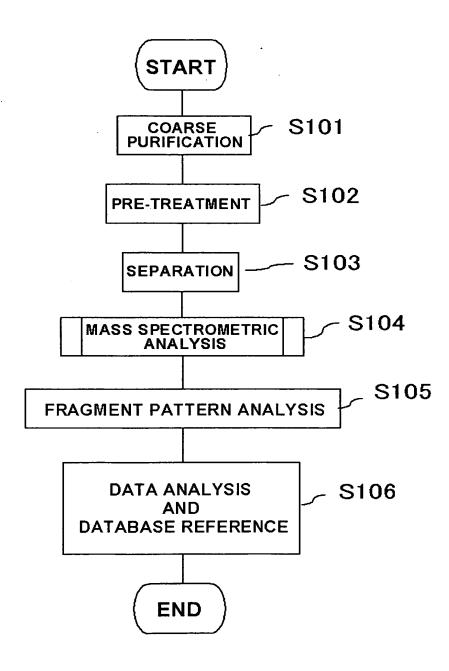
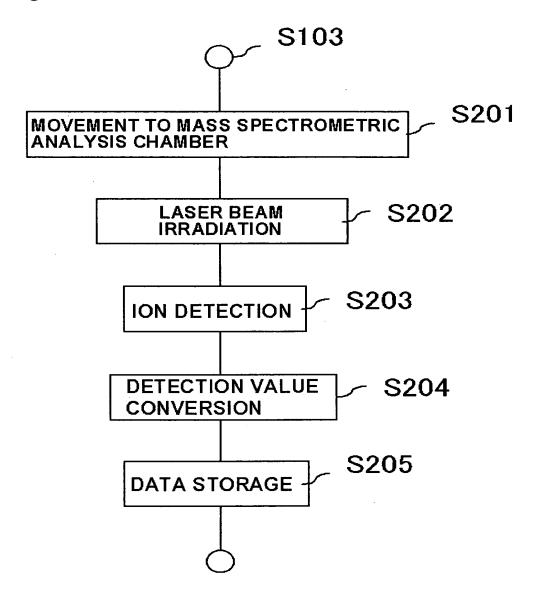


Fig.79



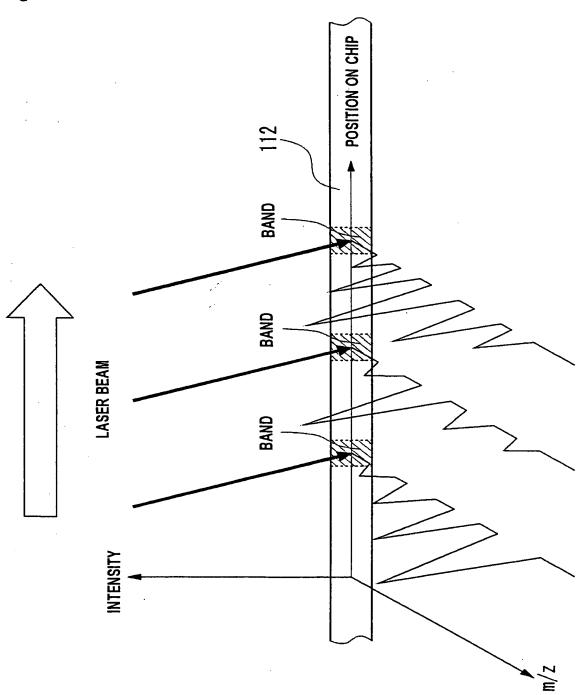
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Fig.80



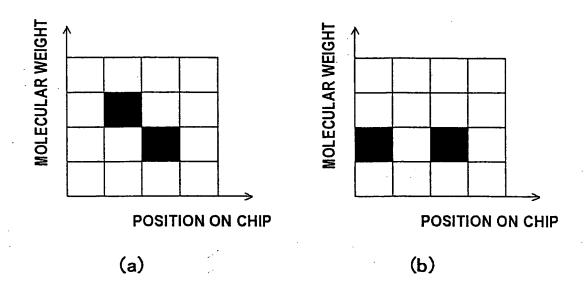
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Fig.81



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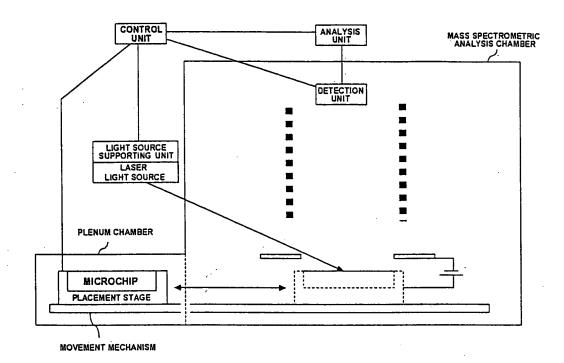
Fig.82



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Fig.83



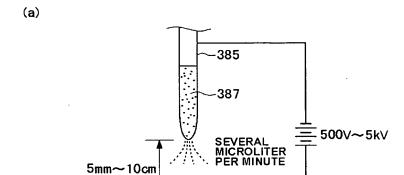
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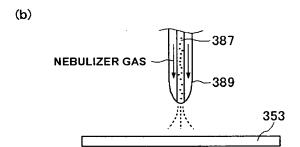
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Fig.84

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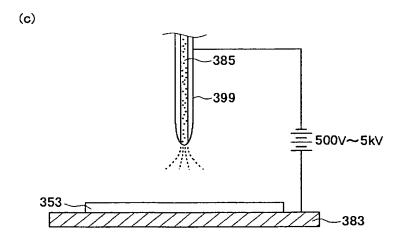
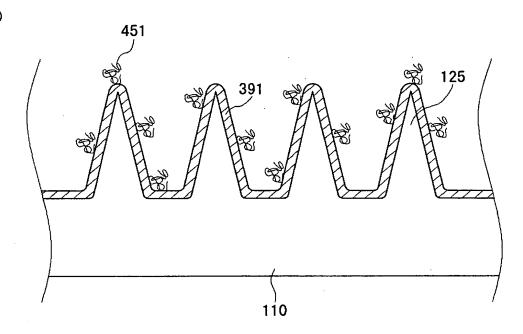
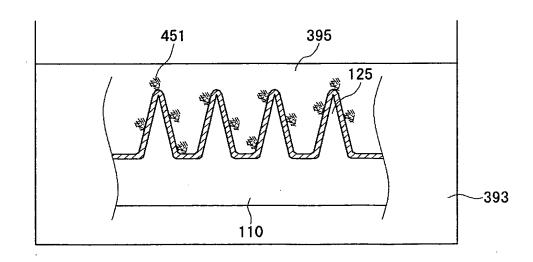


Fig.85





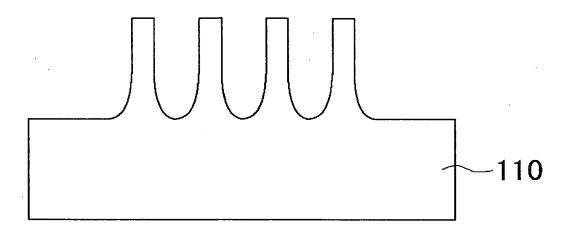


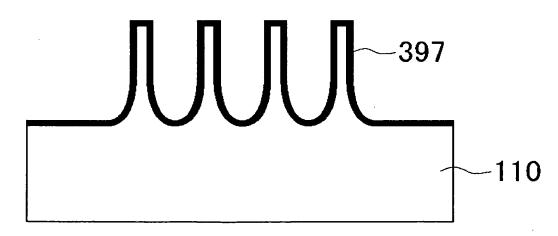
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Fig.86

(a)





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Fig.87

(a)

